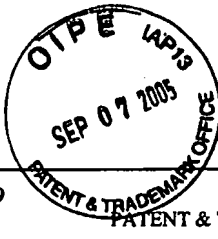


Date: April 11, 2002

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Sheet 1 of 1Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
111754APPLICATION NO.
10/048,055

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS
Shoichi AKAIWA et al.FILING DATE
January 25, 2002GROUP
2611

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
|---------------------|---|-----------------|------------|------------|-------|--------------|
| <i>JK</i> | 1 | 6,023,506 | 02/08/2000 | OTE et al. | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
|-----------|---|-----------------|------------|---------|-------|--------------|
| <i>WK</i> | 2 | EP 0 907 120 A2 | 04/07/1999 | EUROPE | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

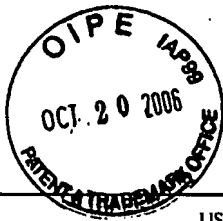
Vincent E Kovalick

DATE CONSIDERED

6/13/07

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

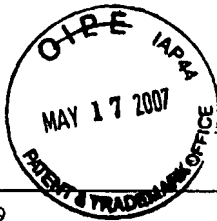
Date: September 7, 2005



Sheet 1 of 1

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| Form PTO-1449 (REV. 1/06) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 111754 | | APPLICATION NO. 10/048,055 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Shoichi AKAIWA et al. | | | |
| | | | | FILING DATE January 25, 2002 | | GROUP 2611 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | Document Number | Date | Name | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | Document Number | Date | Country | With English Abstract | With English Translation | |
| MC | 1 | JP A 03-269756 | 12/02/1991 | JAPAN | X | X | |
| MC | 2 | EP 0 858 021 A2 | 08/12/1998 | EUROPE | | | |
| MC | 3 | EP 0 665 486 A2 | 08/02/1995 | EUROPE | | | |
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| OTHER DOCUMENTS | | | | | | | |
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| EXAMINER | Vincent E Kovalick | | | | DATE CONSIDERED 6/13/07 | | |
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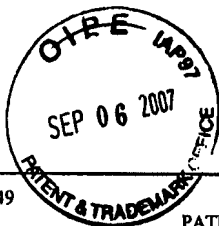
Date: October 20, 2006



Sheet 1 of 1

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| Form PTO-1449 (REV. 1/06) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 111754 | | APPLICATION NO. 10/048,055 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Shoichi AKAIWA et al. | | | |
| | | | | FILING DATE January 25, 2002 | | GROUP 2629 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | Document Number | Date | Country | With English Abstract | With English Translation | |
| W | 1 | JP-A 10-290372 | 10-27-1998 | Japan | X | X | |
| W | 2 | JP-A 10-105470 | 04-24-1998 | Japan | X | X | |
| W | 3 | JP-A 06-253158 | 09-09-1994 | Japan | X | X | |
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| OTHER DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | |
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| Vincent E. Kovalick | | | | 6/13/07 | | | |
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Date: May 17, 2007



Sheet 1 of 1

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|---|-------------|--|------------|---------------------------------------|-----------------------------|--------------------------------|--|
| Form PTO-1449 (REV. 1/06) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 111754 | | APPLICATION NO. 10/048,055 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Shoichi AKAIWA et al. | | | |
| | | | | FILING DATE January 25, 2002 | | GROUP 2629 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | Document Number | Date | Name | | | |
| ULR | 1 | 6,983,415 | 01-03-2006 | Shima | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | Cite No. | Document Number | Date | Country | With English Abstract | With English Translation | |
| ULR | 2 | JP-A 10-222578 | 08-21-1998 | Japan | X | X | |
| ULR | 3 | JP-A 11-075145 | 03-16-1999 | Japan | X | X | |
| ULR | 4 | JP-A 11-231259 | 08-27-1999 | Japan | X | X | |
| ULR | 5 | JP-A 10-326288 | 12-08-1998 | Japan | X | X | |
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| OTHER DOCUMENTS | | | | | | | |
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| Vincent E Kovalick | | | | 11/5/07 | | | |
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Date: September 6, 2007